BIRCH, STEWART, KOLASCH & BIRCH, LLP

PLEASE NOTE: YOU MUST COMPLETE THE FOLLOWING P.O. Box 747 • Falls Church, Virginia 22040-0747 Telephone: (703) 205-8000 • Facsimile: (703) 205-8050

COMBINED DECLARATION AND POWER OF ATTORNEY FOR PATENT AND DESIGN APPLICATIONS

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated next to my name; that I verily believe that I am the original, first and sole inventor (if only one inventor is named below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Insert Title:			COMPARATOR CI	RCUIT					
Fill in Appropriate			hereto. If not attached here						
Information -	the specification v	vas filed on				_	as		
For Use Without Specification	the specification was filed on					nlicable) and/or		
Attached:					(n ap	pheable	as PCT		
Anaded:	International App	lication Numb	er		as PCT; and was				
	amended on		(if applicable)						
	I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal								
	Regulations, §1.56. I do not know and do not believe the same was ever known or used in the United States of America before my or our invention								
	thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representative or assigns more than twelve months (six months for designs) prior to this application, and that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns, except as follows. I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:								
Insert Priority	Prior Foreign Applic			Priority Claimed					
	2002-243270	Japan		August/23/2002		ø o			
Information: (if appropriate)	(Number)	(Country)	(Month/Day/Year Fi	led)	Yes	No		
	,		•		•				
	(Number)	(Country)		(Month/Day/Year Filed)	led)	Yes	No		
		, ,	,	,					
	(Number)	(Country)	(Month/Day/Year Fi	led)	⊔ Yes	No No		
	,	()	,	(,,	- ,				
	(Number)	(Country)	(Month/Day/Year Fil	led)	⊔ Yes	No		
	I haraby claim the hone	ofit under Title	35, United States Code, §1	10(a) of any United States	neovicional applicati	one(e) l	isted below		
	Thereby claim the bene	ent under Thie	55, Officed States Code, 91	17(e) of any Officed States	provisional applicati	0115(5) 1	isteu below.		
Insert Provisional Application(s):	(Application Number)			(Filing Data)					
(if any)	(Application Number)			(Filing Date)					
	(Application Number)			(Filing Date)			 -		
	· · · · · · · · · · · · · · · · · · ·								
	All Foreign Applications, if any, for any Patent or Inventor's Certificate Filed More than 12 Months (6 Months for Designs) Prior to the Filing Date of This Application:								
	Country Application Number			Date of	Filing (Month/Day/	Year)			
Insert Requested Information: (if appropriate)									
	I hereby claim the benefit under Title 35, United States Code, §120 of any United States and/or PCT application(s) listed below and insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States and/or PCT application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclos information which is material to the patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.								
Insert Prior U.S.									
Application(s): (if any)	(Application Number)		(Filing Date)	(Status	patented, pending, a	abandor	ned)		
Page 1 of 2 (Rev. 12/19/01)	(Application Number)		(Filing Date)	(Status	patented, pending, a	bando	ned)		

I hereby appoint the practitioners at CUSTOMER NO. 2292 as my attorneys or agents to prosecute this application and/or an international application based on this application and to transact all business in the United States Patent and Trademark Office connected therewith and in connection with the resulting patent based on instructions received from the entity who first sent the application papers to the practitioners, unless the inventor(s) or assignee provides said practitioners with a written notice to the contrary:

Send Correspondence to:

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PLEASE NOTE: YOU MUST COMPLETE THE FOLLOWING:

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

rull Name of First or Sole Inventor:	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE		DATE*				
Full Name of First or Sole Inventor: nsert Name of Inventor nsert Date This Document is Signed	Akio NAKAJIMA	akio nakazima		July 10,2005				
nsert Residence	Residence (City, State & Country)		CITIZENSHI					
nsert Citizenship →	Kitakatsuragi-gun Nara Japan		Japanese					
nsert Mailing Address →	MAILING ADDRESS (Complete Street Addr	ess including City, State & Country)	1					
	449, Minamiimaichi Taima-cho Kitakatsuragi-gun Nara 639-2151 Japan							
full Name of Second Inventor, if any: see above	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE		DATE*				
	Kohichi FURUTA	Holichi Fruru	ta	July 10, 2003				
	Residence (City, State & Country)		CITIZENSHI					
	Nara-shi Nara Japan		Japanese					
	MAILING ADDRESS (Complete Street Addr	ess including City, State & Country)	<u> </u>					
	1028-18, Fujiwara-cho Nara-shi Na	ara 630-8421 Japan						
full Name of Third Inventor, if any: see above	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE		DATE*				
	Residence (City, State & Country)		CITIZENSHI	,				
	MAILING ADDRESS (Complete Street Addr	ess including City, State & Country)	<u> </u>					
Full Name of Fourth Inventor, if any: see above	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE		DATE*				
	Residence (City, State & Country)		CITIZENSHI	?				
	MAILING ADDRESS (Complete Street Address including City, State & Country)							
Full Name of Fifth Inventor, if any: see above	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE		DATE*				
	Residence (City, State & Country)	<u></u>	CITIZENSHII)				
	MAILING ADDRESS (Complete Street Address including City, State & Country)							
full Name of Sixth	CHENNA E FARGUYALA E	IN HEN STODIO GLOVIA TEMP		D. A. STEEL				
Inventor, if any:	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE		DATE*				
	Residence (City, State & Country)		CITIZENSHII	2				
	MAILING ADDRESS (Complete Street Addre	ess including City, State & Country)	l					

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^{*}DATE OF SIGNATURE

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Insert Title:	COMPARATOR CIRCUIT								
Fill in Appropriate Information -	the specification of which is attached hereto. If not attached hereto, the specification was filed on								
For Use Without	United States Ap	plication Num	ber				;		
Specification	and amended on								
Attached:	International An	was rijed on plication Numl	her			as PCT			
	amended on					; and was (if applicable)			
	amended by any amer	I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.							
	I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.								
	I do not know and do not believe the same was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representative or assigns more than twelve months (six months for designs) prior to this application, and that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns, except as follows. I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:								
	Prior Foreign Appli	cation(s)	. ,	Priority Clai			Claimed		
Insert Priority Information: (if appropriate)	2002-243270	Japan		August/23/2002		Ø			
	(Number)	(Country	7)	(Month/Day/Ye	ear Filed)	Yes	No		
	(Number)	(Country)		(Month/Day/Year Filed)		Yes	No		
	(Number)	(Country)		(Month/Day/Year Filed)		□ Yes	□ No		
	(Number)	(Country	7)	(Month/Day/Ye	ar Filed)	□ Yes	□ No		
	I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional applications(s) listed below.								
Insert Provisional									
Application(s): (if any)	(Application Number))		(Filing Date)					
	(Application Number)			(Filing Date)					
	All Foreign Applications, if any, for any Patent or Inventor's Certificate Filed More than 12 Months (6 Months for Designs) Prior to the Filing Date of This Application:								
	Country		Application Number	Da	te of Filing (Mont	h/Day/Year)			
Insert Requested Information: (if appropriate)									
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Insert Prior U.S.									
Application(s): (if any)	(Application Number))	(Filing Date)	(St	atus - patented, pe	ending, abandor	ned)		
Page 1 of 2 (Rev. 12/19/01)	(Application Number))	(Filing Date)	(St	atus - patented, pe	ending, abandor	ned)		

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ull Name of First								
or Sole inventor: nsert Name of	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE	1	DATE*				
ull Name of First or Sole Inventor: sert Name of Inventor	Takao MATSUI	Takao Matsui	[July. 11. 2003				
nsert Residence	Residence (City, State & Country)		CITIZENSHIP					
nsert Citizenship →	Kashihara-shi Nara Japan	Japanese						
nsert Mailing Address →	MAILING ADDRESS (Complete Street Address including City, State & Country)							
	413, Okubo-cho kashihara-shi Nara 6	34-0061 Japan						
ull Name of Second Inventor, if any: see above	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE		DATE*				
	Residence (City, State & Country)		CITIZENSHIP					
	MAILING ADDRESS (Complete Street Address including City, State & Country)							
ull Name of Third	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE		DATE*				
Inventor, if any: see above			}	Sina				
	Residence (City, State & Country)	<u></u>	CITIZENSHIP	·				
	MAILING ADDRESS (Complete Street Address including City, State & Country)							
full Name of Fourth Inventor, if any: see above	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE		DATE*				
	Residence (City, State & Country)		CITIZENSHIP					
	MAILING ADDRESS (Complete Street Address including City, State & Country)							
	1							
full Name of Fifth Inventor, if any: see above	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE		DATE*				
	Residence (City, State & Country)	h	CITIZENSHIP	,				
	MAILING ADDRESS (Complete Street Address including City, State & Country)							
ull Name of Sixth Inventor, if any: see above	GIVEN NAME/FAMILY NAME	INVENTOR'S SIGNATURE		DATE*				
	Residence (City, State & Country)	4	CITIZENSHIP	,				
	MAILING ADDRESS (Complete Street Address including City, State & Country)							
	(

Page 2 of _ ² (Rev. 12/19/01)

*DATE OF SIGNATURE